

Claims

- [c1] 1.A supporting structure for a platform in a scanner, wherein the scanner has a housing and the supporting structure is located on an interior wall of the housing, the supporting structure comprising:
a buffering component comprising:
a supporting surface, wherein the platform is placed upon the supporting surface; and
a stress absorbing body located beneath the supporting surface to share an external stress received by the supporting surface when the platform is subject to an external force.
- [c2] 2.The supporting structure of claim 1, wherein the buffering component is located along a periphery of the platform.
- [c3] 3.The supporting structure of claim 1, wherein the stress absorbing body has an inclined structure.
- [c4] 4.The supporting structure of claim 3, wherein the buffering component has a "Y" shape.
- [c5] 5.The supporting structure of claim 3, wherein the buffering component has an "X" shape.

- [c6] 6.The supporting structure of claim 1, wherein the stress absorbing body has a curved structure.
- [c7] 7.The supporting structure of claim 6, wherein the buffering component has a flattened "C" shape.
- [c8] 8.The supporting structure of claim 6, wherein the buffering component has an "S" shape.
- [c9] 9.The supporting structure of claim 1, wherein the stress absorbing body includes an inclined portion and a curved portion.
- [c10] 10.The supporting structure of claim 9, wherein the buffering component has a "5" shape.
- [c11] 11.The supporting structure of claim 1, wherein platform is made of glass.
- [c12] 12.The supporting structure of claim 1, wherein the platform is made of acrylic resin.
- [c13] 13.A case body for carrying a platform of a scanner, comprising:
 - a housing having an opening on which the platform is placed; and
 - a plurality of buffering components mounted on interior walls of the housing, each of the buffering components

comprising:

a supporting surface on a top of each buffering component to contact and support the platform; and

a stress absorbing body located beneath the supporting surface to share a stress received by the supporting surface when the platform is subject to an external force.

[c14] 14.The case body of claim 13, wherein the buffering component is located along a periphery of the platform.

[c15] 15.The case body of claim 13, wherein the stress absorbing body has an inclined portion.

[c16] 16.The case body of claim 15, wherein the buffering component has a "Y" shape.

[c17] 17.The case body of claim 15, wherein the buffering component has a "X" shape.

[c18] 18.The case body of claim 13, wherein the stress absorbing body has a curved structure.

[c19] 19.The case body of claim 18, wherein the buffering component has a flattened "C" shape.

[c20] 20.The case body of claim 18, wherein the buffering component has an "S" shape.

[c21] 21.The case body of claim 13, wherein the stress ab-

sorbing body includes an inclined portion and a curved portion.

[c22] 22.The case body of claim 21, wherein the buffering component has a "5" shape.

[c23] 23.The case body of claim 13, wherein the platform is made of glass.

[c24] 24.The case body of claim 13, wherein the platform is made of acrylic resin.